

llrf-ssr1-fe-software-acnet - Bug #24894

When LV is turned off, code also stops running.

09/01/2020 12:22 PM - Shrividhyaa Sankar Raman

Status:	Closed	Start date:	09/04/2020
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	25.50 hours
Description <ul style="list-style-type: none">• Problem disconnecting software.• Should be removed from list of clients in the variable tcp_clients[lv_idx].• This has been added to code.• Running the code shows the code does not stop, but goes into a deadlock state.			

History

#1 - 09/01/2020 12:23 PM - Shrividhyaa Sankar Raman

- % Done changed from 0 to 40

#2 - 09/05/2020 11:26 AM - Brian Chase

Please update.

#3 - 09/09/2020 03:35 PM - Shrividhyaa Sankar Raman

- % Done changed from 40 to 80

- Start date changed from 09/01/2020 to 09/04/2020

- Remove the additional socket closing statement and ensure the change of LV active parameter is changed to false.
- This lead to finding that Autodownload for ACNET was not enabled.
- Upon enabling this, we figured that this feature caused 2 errors for certain parameters: 1. Autodownload not enabled on the Front-end side; 2. Autodownload not enabled on the Controls side.
- Further, there was some mismatch issue with the ACNET channel number and parameter number due to change in the waveform numbering.
- This problem however, was fixed by making the waveform number changes on the spreadsheet, but brought back the original issue for which this entry was made.
- Changing the position of the release of receiver thread semaphore caused this to go away for sometime before creeping back up.
- TODO:
"When the labview socket is closed, is it possible that simultaneously, the daq thread is trying to send messages to it where it hasn't realized it is closed yet? Something like that" as per Mr Nicklaus's suggestion.

#4 - 09/10/2020 01:17 PM - Shrividhyaa Sankar Raman

- DAQ thread checks if LV client active whenever it tries to send a message to LV.
- This cannot therefore cause the code to terminate.
- Print statement "Client available!" not seen on the output screen.
- This block is not being executed.
- Is this why we have a segmentation fault.

#5 - 10/05/2020 08:50 AM - Shrividhyaa Sankar Raman

- % Done changed from 80 to 100

- Status changed from New to Closed

- This issue has been solved by removing the getpeername.
- This is just used to get the details of the socket being closed.
- This seems to have been the cause of the issue.
- Therefore removing this has solved the problem.

Files

